

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040756.D
 Acq On : 11 Oct 2023 13:18
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 11 14:02:28 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2023

QLast Update : Wed Oct 11 12:36:37 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	1143635	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3150375	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2973872	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2207296 9.607 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.761	85	205373	0.815	ppbv	96
3) Chlorodifluoromethane	2.706	51	174381	0.936	ppbv	99
4) Chloromethane	2.845	50	66654	0.934	ppbv	94
5) Vinyl Chloride	2.951	62	57828	0.686	ppbv #	87
6) Bromomethane	3.147	94	29456	0.724	ppbv	92
7) Chloroethane	3.227	64	20378	0.704	ppbv	91
8) Dichlorotetrafluoroethane	2.886	85	156001	0.750	ppbv	96
9) Propene	2.726	41	65931	1.228	ppbv	100
10) Heptane	7.597	43	160680	1.329	ppbv	100
11) Trichlorofluoromethane	3.587	101	160780	0.726	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.092	101	109644	0.692	ppbv	95
13) Ethanol	3.285	45	17146m	1.079	ppbv	
14) Bromoethene	3.391	108	47569	0.716	ppbv	93
15) Acetone	3.504	43	122876	0.815	ppbv	93
16) 1,3-Butadiene	3.015	39	55798	0.849	ppbv	84
17) tert-Butyl alcohol	3.912	59	122669	0.794	ppbv	97
18) 1,1-Dichloroethene	3.906	96	49030	0.696	ppbv	89
19) Isopropyl Alcohol	3.616	45	72373	0.796	ppbv #	42
20) Methylene Chloride	3.954	84	54561m	0.672	ppbv	
21) Allyl Chloride	4.025	41	75270	0.814	ppbv	91
22) trans-1,2-Dichloroethene	4.468	96	47329	0.680	ppbv	97
23) Vinyl Acetate	4.648	43	157556	1.010	ppbv #	95
24) 1,1-Dichloroethane	4.587	63	107260	0.735	ppbv	99
25) Ethyl Acetate	5.227	43	257952	1.060	ppbv	99
26) Hexane	5.234	57	123343	1.072	ppbv	97
27) Carbon Disulfide	4.150	76	129582	0.808	ppbv #	88
28) Methyl tert-Butyl Ether	4.619	73	90167	0.911	ppbv #	90
29) Chloroform	5.288	83	175659	0.884	ppbv	98
30) Cyclohexane	6.619	84	102146	1.179	ppbv	95
31) cis-1,2-Dichloroethene	5.099	61	111380	1.044	ppbv	97
32) 1,1,1-Trichloroethane	6.018	97	178059	0.877	ppbv	99
34) 2-Butanone	4.816	43	149172	0.942	ppbv	94
35) Carbon Tetrachloride	6.510	117	177808	0.822	ppbv	91
36) Benzene	6.388	78	249931	1.071	ppbv	94
37) 1,2-Dichloroethane	5.825	62	123400	0.773	ppbv	98
38) Trichloroethene	7.301	130	97693	1.098	ppbv	87
39) 1,2-Dichloropropane	7.089	63	92187	1.027	ppbv	92
40) 1,4-Dioxane	7.333	88	36929m	1.088	ppbv	
41) Tetrahydrofuran	5.590	42	96485	1.188	ppbv	93
42) Bromodichloromethane	7.266	83	186904	0.858	ppbv #	97
43) Methyl Methacrylate	7.491	69	94226	1.087	ppbv	95
44) 2,2,4-Trimethylpentane	7.336	57	438010m	1.179	ppbv	
45) t-1,3-Dichloropropene	8.722	75	69471	1.033	ppbv	99

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QLast Update : Wed Oct 11 12:36:37 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	88506m	1.076	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	100228	0.973	ppbv	93
48) Dibromochloromethane	9.719	129	168497m	0.991	ppbv	
49) Bromoform	12.417	173	129491	0.927	ppbv	98
50) 4-Methyl-2-Pentanone	8.208	43	242955	1.135	ppbv	96
51) 2-Hexanone	9.581	43	182540	1.235	ppbv #	96
52) Tetrachloroethene	10.622	164	97483	1.281	ppbv	86
53) Toluene	9.233	91	298781	1.213	ppbv	98
54) 1,2-Dibromoethane	10.021	107	141038	1.072	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.519	131	126176	0.890	ppbv #	1
57) Chlorobenzene	11.536	112	223993	0.995	ppbv #	97
58) Ethyl Benzene	12.101	91	396651m	1.170	ppbv	
59) m/p-Xylene	12.384	91	663261m	2.083	ppbv	
60) o-Xylene	13.072	91	321718m	1.060	ppbv	
61) Styrene	12.908	104	164955	1.296	ppbv	99
62) Isopropylbenzene	14.040	105	490605	1.070	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.056	83	212188	0.892	ppbv	97
64) n-propylbenzene	14.928	120	129166	1.127	ppbv	88
65) tert-Butylbenzene	16.098	119	451121	1.096	ppbv	99
66) Benzyl Chloride	16.333	91	36248m	0.755	ppbv	
67) sec-Butylbenzene	16.648	105	614232	1.043	ppbv	98
69) p-Isopropyltoluene	17.008	119	513302	1.109	ppbv	98
70) n-Butylbenzene	17.899	91	489705	0.961	ppbv	99
71) 2-Chlorotoluene	14.815	91	367505m	1.084	ppbv	
72) 4-Ethyltoluene	15.204	105	357589	1.050	ppbv	97
73) 1,3,5-Trimethylbenzene	15.359	105	322991	1.054	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	361805	0.968	ppbv #	92
75) 1,3-Dichlorobenzene	16.336	146	216939	1.019	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	218465m	1.043	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	207258	0.977	ppbv	97
78) Hexachloro-1,3-Butadiene	22.644	225	165894	1.034	ppbv	99
79) Naphthalene	21.400	128	287577m	1.236	ppbv	
80) Naphthalene,2-methyl-	24.400	142	60093m	1.055	ppbv	
81) 1,2,4-Trichlorobenzene	21.153	180	144141	0.949	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

